

What is claimed is:

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1. A pelvic prosthesis, said prosthesis comprising:
  - (a) a ball socket adapted to replace the acetabulum;
  - (b) an anterior fanned wing extending upward from said ball socket; and
  - 10 (c) a posterior fanned wing extending upward from said ball socket, said posterior fanned wing being spaced apart from said anterior fanned wing.
- 15 2. A pelvic prosthesis as set forth in claim 1 wherein said posterior fanned wing is substantially parallel to said anterior fanned wing.
- 20 3. A pelvic prosthesis as set forth in claim 1 wherein said ball socket utilizes a constrained liner.
- 25 4. A pelvic prosthesis as set forth in claim 1 wherein said ball socket utilizes a non-constrained liner.

5. A pelvic prosthesis as set forth in claim 1 wherein  
said fanned wings are fixed to the pelvis.

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6. A pelvic prosthesis as set forth in claim 1 wherein  
said fanned wings are offset curved surfaces.

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7. A pelvic prosthesis according to claim 1 further  
comprising a stabilizing hump extending between and  
substantially perpendicular to said anterior fanned wing  
and said posterior fanned wing.

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8. A pelvic prosthesis as set forth in claim 1 further  
comprising an extension device for interconnecting the  
pelvic prosthesis with a femoral component.

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9. A pelvic prosthesis according to claim 1 wherein said  
anterior fanned wing defines at least two spaced apart  
pin receiving holes.

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10. A pelvic prosthesis according to claim 9 wherein  
said pin receiving holes have countersinks.

11. A pelvic prosthesis according to claim 1 wherein  
said anterior fanned wing is substantially taller than  
said posterior fanned wing.

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12. A pelvic prosthesis according to claim 11 wherein  
said anterior fanned wing is approximately twice as tall  
as said posterior fanned wing.

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13. A pelvic prosthesis according to claim 9 wherein  
said posterior fanned wing defines two spaced apart pin  
receiving holes which are aligned with the pin receiving  
holes defined by said anterior fanned wing.

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14. A pelvic prosthesis according to claim 9 wherein the  
two spaced apart holes are spaced apart in the medial-  
20 lateral direction.

25 15. A pelvic prosthesis according to claim 13 wherein  
the spaced apart holes on said anterior fanned wing  
include a lateral anterior hole and a medial anterior  
hole, and the spaced apart holes on said posterior fanned  
wing include a lateral posterior hole and a medial  
posterior hole.

16. A pelvic prosthesis according to claim 15 wherein  
said lateral anterior hole, said medial anterior hole,  
said lateral posterior hole, and said medial posterior  
5 hole are arranged such that a first pin extending through  
said lateral anterior hole and said lateral posterior  
hole is not parallel to a second pin extending through  
said medial anterior hole and said medial posterior hole.

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17. A trial component for preparing a bone for receiving  
a pelvic prosthesis, said trial component comprising:

15 (a) an anterior fanned wing defining two spaced  
apart drill guides; and

20 (b) a posterior fanned wing defining two spaced  
apart holes corresponding to said drill guides,  
said posterior fanned wing being spaced apart  
from and substantially parallel to said  
anterior fanned wing.

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18. A trial component according to claim 17 further  
comprising a ball socket depending from said anterior  
fanned wing and said posterior fanned wing.

19. A trial component according to claim 17 wherein said anterior fanned wing defines a notch preparation drill guide spaced apart from said two spaced apart drill guides, and said posterior fanned wing defines a spaced apart hole corresponding to said notch preparation drill guide.

10 20. A trial component according to claim 19 wherein each  
of said drill guides has an upstanding collar.

21. A trial component according to claim 19 wherein a  
15 first one of said drill guides is a lateral drill guide,  
a second one of said drill guides is a medial drill  
guide, and the notch preparation drill guide is located  
between and below the first two drill guides.

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22. A trial component according to claim 21 wherein said anterior fanned wing defines two windows, one on either side of said notch preparation drill guide.

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23. A trial component according to claim 17 wherein said anterior fanned wing is substantially taller than said posterior fanned wing.

24. A trial component according to claim 23 wherein said anterior fanned wing is approximately twice as tall as said posterior fanned wing.

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25. A trial component according to claim 21 wherein said lateral drill guide and said medial drill guide are arranged such that a first hole drilled through said lateral drill guide is not parallel to a second hole drilled through said medial drill guide.

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26. A method for implanting a pelvic prosthesis having two upstanding spaced apart fanned wings, each wing having a pair of pin receiving holes, and a depending ball socket, using a trial component having two upstanding spaced apart fanned wings, at least one of the wings having two spaced apart drill guides, said method comprising the steps of:

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(a) resecting the pelvis as needed;

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(b) placing the trial component over the ilium;

(c) locating the trial component to the desired position;

(d) drilling holes in the ilium using the drill

guides on the trial component;

(e) removing the trial component;

5 (f) placing the prosthesis over the ilium;

(g) aligning the holes in the prosthesis with the  
holes drilled in the ilium;

10 (h) inserting pins through the holes of the  
prosthesis into the holes drilled in the ilium;  
and

15 (i) filling cement between the ilium and the  
prosthesis.

27. A method according to claim 26, wherein the pelvic  
prosthesis has a stabilizing hump extending between and  
20 substantially perpendicular to the upstanding wings and  
the trial component has a notch preparation drill guide,  
said method further comprising the step of, prior to said  
step of removing, inserting temporary pins in the two  
drill guides of the trial component and drilling through  
25 the notch preparation drill guide, wherein said step of  
aligning includes aligning the stabilizing hump with a  
notch formed by drilling through the notch preparation  
drill guide.

28. A method as set forth in claim 26 further comprising the step of utilizing a femoral extension device to interconnect the prosthesis and a femoral component.

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